

00506 Global Survival

Training Manager: AVN-220 Course Length: 24 hour(s)

This course is presented by the Airman Education Programs Branch of the Civil Aeromedical Institute (CAMI), and it is required by Order 4040.9C, FAA Aircraft Management Programs for the Office of Aviation System Standards (AVN) flight crew members. This program is designed to assist AVN flight crew members to survive in water, desert, or arctic situations through knowledge and hands-on experience with survival equipment. The following subjects are included: the will to survive; search and rescue; survival kits and rafts; hot land, arctic, and water survival; building solar stills; ditching; first aid and CPR; cold chamber and water exercises; and aircraft escape.

Prerequisites: None
And one of the following: None

00507 Physiological Training

Training Manager: AVN-220 Course Length: 8 hour(s)

This course is presented by the Airman Education Programs Branch of the Civil Aeromedical Institute (CAMI). It is required by Order 4040.9C, FAA Aircraft Management Programs for flight crew members and technicians. An altitude chamber flight is used to acquaint the trainees with symptoms of hypoxia and to practice pressure breathing. An altitude chamber to 25,000 feet and rapid decompression from 8,000 to 18,000 feet in 5 seconds is included. Also included are physics of the atmosphere, respiration and circulation, trapped and evolved gases, hyperventilation oxygen equipment, and self-imposed stresses.

Prerequisites: None
And one of the following: None

02001 FAR 135 Check Airman Qualification Training

Training Manager: AVN-220 Course Length: 16 hour(s)

This initial and transitional ground training includes: 1) check airman duties, functions, and responsibilities; 2) applicable code of federal regulations, and certificate holders' policies and procedures; 3) applicable methods, procedures, and techniques for conducting the required checks; 4) proper evaluation of student performance; 5) corrective action in the case of unsatisfactory checks; 6) approved methods, procedures, and limitations for performing the required normal, abnormal, and emergency procedures in the aircraft. Transition ground training includes procedures applicable to the type, class, or category of aircraft that the check airman is to transition.

Prerequisites: None
And one of the following: None

02002 FAR 135 Flight Instructor/Check Airman Recurrent Training

Training Manager: AVN-220 Course Length: 8 hour(s)

Every check airman and flight instructor will receive recurrent ground training to include a review of the subjects covered in the initial ground training and a quiz to determine the check airman and flight instructor's knowledge of the aircraft and the methods, procedures, and techniques for conducting flight instruction and/or performing as a check airman.

Prerequisites: None
And one of the following: None

02003 Flight Instructor Qualification Training

Training Manager: AVN-220 Course Length: 16 hour(s)

This initial ground training includes: 1) flight instructor duties, functions, and responsibilities; 2) applicable code of federal regulations and the certificate holder's policies and procedures; 3) applicable methods, procedures, and techniques for conducting flight instruction; 4) evaluation of student performance; 5) corrective action in the case of unsatisfactory training progress; 6) approved methods, procedures, and limitations for performing the required normal, abnormal, and emergency procedures in the aircraft. Transition ground training includes procedures applicable to the type, class, or category of aircraft that the flight instructor is to transition.

Prerequisites: None
And one of the following: None

02004 AVN FAR 135 Ground Instructor Qualification Training

Training Manager: AVN-220 Course Length: 8 hour(s)

This course fulfills AVN-220's academic training requirements for FAR 135 ground instructors. The course includes presentation courseware and equipment usage.

Prerequisites: None
And one of the following: 21425

02005 FAR Part 135, Indoctrination/Initial Qualification

Training Manager: AVN-220 Course Length: 12 hour(s)

This course is designed to meet the requirements of FAR 135 subpart H. It introduces new-hire crew members, pilots and technicians to flight inspection's methods of conducting operations with the BE-300F, BE-F90, BE-58, BAE-125-800A, CL-601-3R, LR-60, or any other flight inspection aircraft; acquaint the crew member with the company's policies, procedures, forms, organizational and administrative practices; and to ensure the crew member has acquired the airman knowledge required by FAR Part 135. Upon completion of this course, the student will be able to demonstrate adequate understanding of the subject matter required to perform efficiently as a flight inspection crew member.

Prerequisites: None
And one of the following: None

02006 FAR 135 Pilot/Technician Recurrent Qualification

Training Manager: AVN-220 Course Length: 12 hour(s)

This course is required annually for crew members (pilots and technicians) in the FAA flight inspection flight program. Non-aircraft specific subjects include: basic indoctrination, general emergency, and hazardous materials. Aircraft-specific subjects include ground training and differences for the aircraft flown.

Prerequisites: None
And one of the following: 21510, 02005, 21421, 21422

02008 Qualification Airspace System Insp Pilot/Tech-AVN

Training Manager: AVN-220 Course Length: 160 hour(s)

This course is designed for FAA airspace system inspection pilots and airborne technicians. It is the academic portion of the flight inspection qualification curriculum that trains AVN aircrews to inspect navigational aids and instrument flight procedures as outlined in Order 8200.1, the U.S. Standard Flight Inspection Manual. It also covers the use and operation of the Gull Automated Flight Inspection System (AFIS). This course consists of classroom presentations, laboratory exercise, and flight inspection equipment simulator sessions.

Prerequisites: None
And one of the following: None

02009 Continuing Qualification Airspace System Insp Pilot/Tech-AVN

Training Manager: AVN-220 Course Length: 36 hour(s)

This course is designed to provide a seminar-type environment where flight inspection crews can participate in the sharing of information regarding new development in flight applications and policies.

Prerequisites: None
And one of the following: 00058, 02008

02016 Aeronautical Orientation for Airborne Electronic Technicians

Training Manager: AVN-220 Course Length: 16 hour(s)

This training will introduce the crew member to the flying environment. This block of instruction is designed to equip the airborne electronic technician (AET) to understand the procedures, policies, and guidelines required in the operation of aircraft used in support of the

flight inspection mission. Upon satisfactory completion of this course, the crew member will be able to demonstrate an understanding of the required information, procedures, and policies to better contribute to the flight inspection program as an AET.

Prerequisites: None
And one of the following: None

02017 Check Airman Aviation System Inspection Pilot/Tech

Training Manager: AVN-220 Course Length: 16 hour(s)

This course is comprised of modules that pertain to development of skills and attitudes required to instruct and evaluate duties on flight inspection aircraft. Subjects include: introduction; flight inspection evaluator; effective communications; control of human behavior; general procedures for evaluation and correction; and the evaluator as a critic. Satisfactory completion of this training is a prerequisite for designation as a mission evaluator.

Prerequisites: None
And one of the following: None

02018 OJT Airspace System Inspection Pilot/Tech

Training Manager: AVN-220 Course Length: 16 hour(s)

The duties and responsibilities of the instructor shall include: conduct of instruction in flight inspection fundamentals, utilizing appropriate equipment, standards, and OJT methods. They will ensure compliance of trainees with the applicable procedures, policies, and standards. They will certify trainees after successful completion of the OJT syllabus. Training shall include: planning, developing task lists; development of job aids, scheduling, lesson planning, and skill checking.

Prerequisites: None
And one of the following: None

02019 Beechcraft BE-300F Differences Training

Training Manager: AVN-220 Course Length: 26 hour(s)

This course consists of ground and flight training and qualification segments. The ground training segment consists of instruction in the aircraft (general, electrical system, environment, and avionics of the aircraft). Flight training consists of instruction in normal, abnormal, and emergency operations. Crew resource management (CRM) pilot flying (PF) and pilot not flying (PNF) duties are stressed throughout all phases of flight. Upon completion of flight training, the qualification phase will consist of a ground and flight examination required by 14 CFR 61 and 135. This course consists of 20 hours ground training, 4.5 hours flight training, and 1.5 hours in flight.

Prerequisites: None
And one of the following: None

02700 (CBI) Long Range Navigation (LORAN-C)

Training Manager: AVN-220 Course Length: 8 hour(s)

This course is primarily for Aviation System Standards' (AVN) flight inspection personnel. The training will enable journeyman flight inspection personnel to inspect LORAN-C transition routes and standard instrument approach procedures. Topics included are radiated signal patterns and characteristics, terminology, flight inspection parameters and responsibilities, and aircraft maneuvering and positioning to flight check LORAN-C instrument procedures. Analysis of recorded data and extraction of pertinent data are also included.

Prerequisites: None
And one of the following: None

02701 (CBI) Airspace Systems Inspection Pilot (Phase I-Automatic)

Training Manager: AVN-220 Course Length: 120 hour(s)

This course utilizes computer-based instruction (CBI) and on-the-job training (OJT). It provides individualized instruction in all automated methods and techniques of airspace systems inspection to include airspace systems training (in accordance with the U.S. Standard Flight Inspection Manual, Order 8200.1), CBI orientation, technical terminology and special equipment utilization. This course includes in-flight training conducted at the flight inspection field office (FIFO) to support OJT requirements.

Prerequisites: None
And one of the following: None

02704 (CBI) Electronic Flight Instrumentation System

Training Manager: AVN-220 Course Length: 8 hour(s)

This computer-based instruction (CBI) course is designed for Aviation System Standards (AVN) flight inspection pilots who will fly the BE-300 aircraft equipped with the Bendix EFS-10. Subject areas include system configuration, operating controls and display features, general operation, fault annunciations, reversion modes, and flight simulation.

Prerequisites: None
And one of the following: None

02705 (CBI) Instrument Landing System (ILS) Best Fit Straightline

Training Manager: AVN-220 Course Length: 8 hour(s)

This course is a module of existing courses 20717 and 20718 using primarily computer-based instruction (CBI). It is designed for flight inspection, journey-level personnel. It will provide new information that was not previously covered in courses 20717 and 20718. This course includes training on FAA Order 8240.47, regarding determination of Instrument Landing System (ILS) glidepath angle, Reference Datum Heights (RDH), and Ground Point of Intercept (GPI).

Prerequisites: None
And one of the following: None

02750 (CBI/WEB) AVN-300 FAR 135/145 Differences

Training Manager: AVN-300 Course Length: 8 hour(s)

These are the aircraft maintenance procedures that will be utilized when operating under FAR's 135, certificate and FAR's 145, repair station and the difference between the two.

Prerequisites: None
And one of the following: None

02751 (CBI/WEB) Environmental Safety and Operations Training

Training Manager: AVN-300 Course Length: 4 hour(s)

These are the procedures that will be utilized while performing tasks under Code of Federal Regulations (CFR) 29 and 40.

Prerequisites: None
And one of the following: None

02800 Beech 300 Pilot Initial Aircraft Qualification (AVN)

Training Manager: AVN-220 Course Length: 83 hour(s)

This course is for AVN flight inspection pilots who require a type rating in the FAA-owned Beech 300 aircraft.

Prerequisites: None
And one of the following: None

02801 BE-300 Recurrent Pilot Training

Training Manager: AVN-220 Course Length: 28 hour(s)

This training meets the requirement of FAR 135 Subpart H, recurrent training requirements.

Prerequisites: None
And one of the following: 02800, 28204

02805 BAE-125-800 Pilot Initial Aircraft Qual Training (AVN)

Training Manager: AVN-220 Course Length: 88 hour(s)

This course is designed for initial qualification and standardization of AVN flight inspection pilots whose official duties require a type rating in the BAE-125-800.

Prerequisites: None
And one of the following: None

02806 BAE-125-800 Recurrent Pilot Training (AVN)

Training Manager: AVN-220 Course Length: 34 hour(s)

This course is designed for AVN flight inspection pilots whose official duties require maintaining flight proficiency in the BAE-125-800.

Prerequisites: None
And one of the following: [02805](#), [28291](#)

02810 Lear 60 Pilot Initial Aircraft Qualification (AVN)

Training Manager: AVN-220 Course Length: 103 hour(s)

This course is designed for initial qualification of AVN flight inspection pilots whose official duties require a type rating in the Lear 60.

Prerequisites: None
And one of the following: None

02811 Lear 60 Recurrent Pilot Training (AVN)

Training Manager: AVN-220 Course Length: 83 hour(s)

This course is primarily designed for recurrent qualification and standardization of flight inspection personnel whose official duties require maintaining flight proficiency in the Lear-60.

Prerequisites: None
And one of the following: [02810](#), [28048](#), [28030](#)

02815 Canadair CL-600 Pilot Initial Aircraft Qualification (AVN)

Training Manager: AVN-220 Course Length: 121 hour(s)

This course is primarily designed for initial qualification and standardization of flight inspection personnel whose official duties require a type rating in the CL-600.

Prerequisites: None
And one of the following: None

02816 Canadair CL-600 Recurrent Pilot Training (AVN)

Training Manager: AVN-220 Course Length: 34 hour(s)

This course is primarily designed for recurrent qualification and standardization of AVN flight inspection personnel whose official duties require maintaining flight proficiency in the CL-600.

Prerequisites: None
And one of the following: [02815](#), [28298](#), [28279](#)

02820 Cessna 560 Citation V Pilot Initial Aircraft Qual (AVN)

Training Manager: AVN-220 Course Length: 82 hour(s)

This course is primarily designed for initial qualification and standardization of AVN aviation safety inspectors whose official duties require a type rating in the Cessna 560 aircraft.

Prerequisites: None
And one of the following: [20700](#), [20702](#)

02821 Cessna 560 Citation V Recurrent Pilot Training (AVN)

Training Manager: AVN-600 Course Length: 28 hour(s)

This course is primarily designed for recurrent qualification and standardization of AVN aviation safety inspectors whose official duties require maintaining flight proficiency in the Cessna 560 aircraft.

Prerequisites: [02820](#)
And one of the following: [20700](#), [20702](#), [28292](#)

02822 Cessna Citation 560 Inspector Pilot Recurrent Qual (AVN)

Training Manager: AVN-600 Course Length: 40 hour(s)

This course is designed for AVN pilots and inspectors who have a responsibility to administer Citation flight tests and checks. It consists of 25 hours of ground school refresher and 15 hours (7.5 pilot and 7.5 observer) of flight time. Subject areas include hands-on training with electronic flight instrument system type instrumentation (FMS, AFIS, etc.). Other requirements are full-performance-level (FPL) general aviation operations inspectors with at least a commercial pilot certificate with airplane multi-engine land and airplane instrument ratings; Citation type rating; and a third-class medical certificate dated 24 months prior to class completion.

Prerequisites: None
And one of the following: None

02823 Gulfstream (GIII) Pilot Initial Aircraft Qualification (AVN)

Training Manager: AVN-600 Course Length: 85 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors whose official duties require a type rating in the Gulfstream G-III.

Prerequisites: None
And one of the following: 20700, 20702

02824 Gulfstream G-III Recurrent Pilot Training (AVN)

Training Manager: AVN-600 Course Length: 31 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors whose official duties require maintaining flight proficiency in the Gulfstream III.

Prerequisites: None
And one of the following: 20700, 20702, 02823, 28238

02825 Gulfstream (G-IV) Recurrent Pilot Training (AVN)

Training Manager: AVN-220 Course Length: 32 hour(s)

This course is primarily designed for recurrent qualification and standardization of AVN aviation safety inspectors whose official duties require maintaining flight proficiency in the Gulfstream G-IV.

Prerequisites: 28233
And one of the following: 20700, 20702

02826 Lear 31A Recurrent Pilot Training (AVN)

Training Manager: AVN-220 Course Length: 30 hour(s)

This course is primarily designed for recurrent qualification and standardization of AVN aviation safety inspectors whose official duties require maintaining flight proficiency in the Lear 31A aircraft.

Prerequisites: 28294
And one of the following: 20700, 20702

02827 Learjet 31A Inspector Pilot Recurrent Qualification (AVN)

Training Manager: AVN-220 Course Length: 40 hour(s)

This course is designed for pilots and inspectors who have a responsibility to administer Learjet flight tests and checks. It consists of 25 hours of ground school refresher and 15 hours (7.5 pilot and 7.5 observer) of flight time. Subject areas include hands-on training with

electronic flight instrument system type instrumentation (FMS, AFIS, etc.). Other requirements are full-performance-level operations inspectors with at least a commercial pilot certificate with airplane multi-engine land and airplane instrument ratings; Learjet type ratings; and a third-class medical certificate dated 24 months prior to the class completion.

Prerequisites: None
And one of the following: None

02828 Hangar 6 Gulfstream G-IV Initial Qualification

Training Manager: AVN-220 Course Length: 7 hour(s)

This initial flight training program at Hangar 6 is designed to provide flight training in the airplane following satisfactory completion of the ground school, simulator training, and simulator checkride culminating in a G-IV type rating at a contractor's facility. The G-IV course offers FAA inspectors and other FAA pilots approximately 7.0 hours of pilot time in the aircraft. Instruction on recommended flight testing procedures will be provided during flight training, as appropriate to the aircraft and the specific maneuvers and procedures involved. Successful completion of this course culminates in satisfactory accomplishment of the maneuvers listed on FAA Form 4040-2.

Prerequisites: None
And one of the following: None

02829 Hangar 6 Gulfstream G-IV Recurrent Qualification

Training Manager: AVN-220 Course Length: 5 hour(s)

This recurrent flight training program is designed to provide the necessary flight training in the airplane to meet recurrent training requirements of FAA orders, following satisfactory completion of recurrent ground school, simulator training, and simulator check at a contractor's facility. The G-IV course offers FAA inspectors and other qualified FAA pilots approximately 5 hrs of pilot time in the airplane. Instruction on recommended flight testing procedures will be provided during flight activities, as appropriate to the aircraft and the specific maneuvers and procedures involved. Successful completion of the course culminates in satisfactory accomplishment of the maneuvers listed in FAA Form 4040.2

Prerequisites: None
And one of the following: 28237, 02828

02830 Cessna 560XL Initial Qualification (AVN)

Training Manager: AVN-600 Course Length: 61 hour(s)

This course is primarily designed for initial qualification and standardization of Aviation System Standards (AVN) flight personnel whose official duties require a type rating in the Cessna 560XL aircraft.

Prerequisites: None
And one of the following: None

02831 Cessna 560XL Recurrent Qualification (AVN)

Training Manager: AVN-600 Course Length: 18 hour(s)

This course is primarily designed for recurrent qualification and standardization of Aviation System Standards' (AVN) flight personnel whose official duties require the maintenance of flight proficiency in the Cessna 560XL.

Prerequisites: 02830
And one of the following: None

12064 Flight Inspection Crew Resource Management (Initial)

Training Manager: AVN-160 Course Length: 24 hour(s)

This course is designed to provide flight inspection personnel CRM indoctrination and awareness as outlined in Advisory Circular 120-51B and is related to AVN flight operations; enhances the inclusion of the technician and the FICO in the crew decision-making process; assists crew members to incorporate input from maintenance, management, ATC, airway facilities, and flight service; and supports a higher standard of operations and crew performance. The third day of the course addresses organizational factors that affect CRM considerations.

Prerequisites: None
And one of the following: None

12065 Flight Inspection Crew Resource Management (Recurrent)

Training Manager: AVN-160 Course Length: 8 hour(s)

This course is designed to meet Advisory Circular 120-51B guidelines and reinforce the CRM skills learned in initial training by flight inspection personnel. The course reviews and emphasizes decisionmaking, effective communications, situational awareness, and interpersonal skills as applied to flight inspection. It addresses AVN organizational factors and stresses improved crew coordination and performance, and the appropriate use of all available resources in flight inspection operations.

Prerequisites: None
And one of the following: None